
CODES ADMINISTRATION

PLAN REVIEW CONDITIONS

July 02, 2013

DAVIDSON ARCHITECTURE & ENGINEERING
11301 STRANG LINE ROAD
LENEXA, KS 66215

Permit No: PRCOM20131231
Project Title: INSTANT AUTO
Project Address: 2151 NE INDEPENDENCE AVE, LEES SUMMIT, MO 64064
Parcel Number: 52500012100000000
Location: SUMMIT PLAZA---LOT 3 (EX PT IN ROW)
Type of Work: NEW COMMERCIAL
Occupancy Group: BUSINESS
Description: AUTO DEALERSHIP

The following is a list of requirements from the City of Lee's Summit that have not been satisfactorily addressed in the plans and specifications. Please contact the appropriate department regarding clarification of comments.

Codes Administration (816) 969-1200

Fire Department (816) 969-1300

Licensed Contractors **Reviewed By: Michael Weisenborn** **Pending**

1. No person, other than a licensed contractor or employees of a licensed contractor, shall engage in electrical, plumbing or mechanical business, construction, installation or maintenance unless duly licensed in accordance with this section. Expert from Sec. 7-130, Lees Summit Code of Ordinances.

Action required - Airtech does not have a mechanical contractors license in Lee's Summit.

Building Plan Review **Reviewed By: Michael Weisenborn** **Rejected**

1. The size of the water meter is not indicated on the plans.

Action required - Provide the size of the water meter.

2. 2006 IBC 1704.1.1 - Statement of special inspections. The permit applicant shall submit a statement of special inspections prepared by the registered design professional in responsible charge in accordance with 106.1 as a condition for permit issuance. This statement shall be in accordance with Section 1705. Exceptions: 1. A statement of special inspections is not required for structures designed and constructed in accordance with the conventional construction provisions of Section 2308. 2. The statement of special inspections is permitted to be prepared by a qualified person approved by the building official for construction not designed by a registered design professional.

Action required - Inspections will be required on the building and the retaining wall. Provide a statement of special inspections.

3. 2006 IBC 1704.1.2 - Report Requirement. Special inspectors shall keep records of inspections. The special inspector shall furnish inspection reports to the building official, and to the registered design professional in responsible charge. Reports shall indicate that work inspected was done in conformance to approved construction documents. Discrepancies shall be brought to the immediate attention of the contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the building official and to the registered design professional in responsible charge prior to the completion of that phase of the work. A final report documenting required special inspections and correction of any discrepancies noted in the inspections shall be submitted at a point in time agreed upon by the permit applicant and the building official prior to the start of work.

Action required - This comment is for information purposes.

4. Engineered plans for the retaining wall have not been provided.

Action required - Provide plans.

5. Plans for the tilt-up walls panels have not been provided.

Action required - Provide additional information.

6. 2006 IMC 403.2 - Outdoor air required. The minimum ventilation of outdoor air shall be determined in accordance with Section 403.3. Exception: Where the registered design professional demonstrates that an engineered ventilation system design will prevent the maximum concentration of contaminants from exceeding the obtainable by the rate of outdoor air ventilation determined in accordance with Section 403.3, the minimum required rate of outdoor air shall be reduced in accordance with such engineered system design.

Action required - Provide calculations and show that this requirement is being met.

7. 2006 IBC 1006.3 - Illumination emergency power. The power supply for means of egress illumination shall normally be provided by the premises electrical supply. In the event of power supply failure, an emergency electrical system shall automatically illuminate the following areas. 1. Aisles and unenclosed egress stairways in rooms and spaces that require two or more means of egress. 2. Corridors, exit enclosures and exit passageways in building required to have two or more exits. 3. Exterior egress components at other than the level of exit discharge until exit discharge is accomplished for buildings required to have two or more exits. 4. Interior exit discharge elements, as permitted in Section 1024.1, in buildings required to have two or more exits. 5. Exterior landings, as required by Section 1008.1.5, for exit discharge doorways in building required to have two or more exits. The emergency power system shall provide power for a duration of not less than 90 minutes and shall consist of storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with Section 2702.

Action required - I am unable to see where item 5 of this section is being met. Provide additional information.

8. Details for the parts mezzanine and stairs have not been provided.

Action required - Provide construction plans and details for the parts mezzanine and stairs.

9. Section 917.1 of the 2006 IPC has been amended to only allow use of air admittance valves when approved by the Administrative Authority. It has been our practice to only allow the use of these devices in locations where it is structurally infeasible to vent to the exterior.

Action required - These fixtures are required to vent to the exterior. Make needed corrections.

10. 2006 IBC 1210.2 - Walls. Walls within 2 feet of urinals and water closets shall have a smooth, hard, nonabsorbent surface, to a height of 4 feet above the floor, and except for structural elements, the materials used in such walls shall be of a type that is not adversely affected by moisture. Exceptions: 1. Dwelling units and sleeping units. 2. Toilet rooms that are

not accessible to the public and which have not more than one water closet. Accessories such as grab bars, towel bars, paper dispensers and soap dishes, provided on or within walls, shall be installed and sealed to protect structural elements from moisture.

Action required - Epoxy paint must be used in these areas. This comment is in reference to restrooms 118 and 120.

Fire Plan Review

Reviewed By: Brian Austerman

Approved with Conditions

1. 2006 IFC 901.2- Construction documents. The fire code official shall have the authority to require construction documents and calculations for all fire protection systems and to require permits be issued for the installation, rehabilitation or modification of any fire protection system. Construction documents for fire protection systems shall be submitted for review and approval prior to system installation.

Provide sprinkler plans for approval

2. 2006 IFC 907.1.1- Construction documents. Construction documents for fire alarm systems shall be submitted for review and approval prior to system installation. Construction documents shall include, but not be limited to, all of the following: 1. .A floor plan which indicates the use of all rooms. 2. Locations of alarm-initiating and notification appliances. 3. Alarm control and trouble signaling equipment. 4. Annunciation. 5. Power connection. 6. Battery calculations. 7. Conductor type and sizes. 8. Voltage drop calculations. 9. Manufacturers, model numbers and listing information for equipment, devices and materials. 10. Details of ceiling height and construction. 11. The interface of fire safety control functions.

Provide alarm plans for approval

3. 907.12 Duct smoke detectors.

Duct smoke detectors shall be connected to the building’s fire alarm control panel when a fire alarm system is provided. Activation of a duct smoke detector shall initiate a visible and audible supervisory signal at a constantly attended location. Duct smoke detectors shall not be used as a substitute for required open area detection.

For information only, applies to units over 2,000 cfm

For in

4. 1006.3 Illumination emergency power.

The power supply for means of egress illumination shall normally be provided by the premises’ electrical supply. In the event of power supply failure, an emergency electrical system shall automatically illuminate the following areas:

1. Aisles and unenclosed egress stairways in rooms and spaces that require two or more means of egress.
2. Corridors, exit enclosures and exit passageways in buildings required to have two or more exits.
3. Exterior egress components at other than the level of exit discharge until exit discharge is accomplished for buildings required to have two or more exits.
4. Interior exit discharge elements, as permitted in Section 1024.1, in buildings required to have two or more exits.
5. Exterior landings, as required by Section 1008.1.5, for exit discharge doorways in buildings required to have two or more exits.

The emergency power system shall provide power for a duration of not less than 90 minutes and shall consist of storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with Section 2702 of the International Building Code.

Provide exterior egress illumination at the exterior landings of the marked exits

The review conducted by the City of Lee's Summit Codes Administration Department shall not be construed as a structural review of the project.